ABSTRACT

A method for applying at least one coating composition to an electrochemically active metal substrate, and the coated substrate produced thereby are disclosed. Preferably, an articulable electromechanical device such as a robot arm is utilized to aid in precision coating electrochemically active metal substrates, particularly complex shaped electrochemically active metal substrates through autodeposition. The electromechanical device is articulable through a wide range of motions and can substantially eliminate drip edges or pockets of retained coating in otherwise poorly draining areas of the substrate, producing fully and/or evenly coated, aesthetically pleasing coated substrates. Throughput of coated substrates is maximized through the method of the present invention.